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[Fast Photometry of Quiescent Soft X-ray Transients] Fast Photometry of Quiescent Soft X-ray Transients with the Gemini-South Acquisition Camera

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document abstract We present a compilation of high time-resolution photometric observations of quiescent soft X-ray transients obtained with the acquisition camera of Gemini-South. was observed with a short cycle time and high precision. Superimposed on the ellipsoidal modulation we find several prominent flares together with weaker continual variability. The flares seen sample shorter timescale than those reported in previous observations, with rise times as low as 30 *seconds*; *most flares show unresolved peaks. The power density spectrum (PDS) of limited noise closely resembling the X-ray PDS of black hole candidates in their low states, but with the low-frequency break at a*





















